

Appendix A: Claims in Marked up Form

1. A computer implemented method for facilitating trick mode playback for a user, comprising:

- accessing a plurality of encoded digital video frames on a first computer system;
- identifying a subset of said encoded digital video frames for compressed video encoding;
- for all said identified encoded digital video frames, encoding an associated playback video frame;
- downloading said encoded playback video frames on a second computer system;
- streaming said encoded digital video frames to said second computer system;
- decoding said digital video frames and said playback video frames;
- if said user directs, incrementally playing said digital video frames or said playback video frames;
- enabling said user to switch between playing said digital video frames and said playback video frames;
- enabling said user to change location of playing said playback video frames; and
- when switching from playing said playback video frames to playing said digital video frames, matching playing of said digital video frames with said location of playing said playback video frames.

2. The method of Claim 1 further comprising said second computer system including a data server computer system and a client computer system.

1 3. The method of Claim 1 further comprising said first computer system including an initiating
2 computer system and a data server computer system.

1 4. The method of Claim 1 further comprising, when said user directs incrementally playing said
2 playback video frames, enabling said user to direct playing of said playback video frames in
3 either a forward direction or a reverse direction.

1 5. The method of Claim 1 further comprising:
2 playing said digital video frames via a digital window on said second computer system; and
3 playing said playback video frames via a preview window on said second computer system.

1 6. The method of Claim 1 further comprising:
2 playing said digital video frames via a digital window on said second computer system; and
3 playing said playback video frames via overlaying a preview window on said digital window.

1 7. A computer implemented method for facilitating fast audio playback for a user, comprising:
2 accessing a plurality of encoded digital audio frames on a first computer system;
3 identifying a subset of said encoded digital audio frames for compressed audio encoding;
4 for all said identified encoded digital audio frames, encoding an associated playback audio
5 frame;
6 downloading said encoded playback audio frames on a second computer system;
7 streaming said encoded digital audio frames to said second computer system;

8 decoding said digital audio frames and said playback audio frames;
9 if said user directs, incrementally playing said digital audio frames or said playback audio
10 frames;
11 enabling said user to switch between playing said digital audio frames and said playback
12 audio frames;
13 enabling said user to change location of playing said playback audio frames; and
14 when switching from playing said playback audio frames to playing said digital audio frames,
15 matching playing of said digital audio frames with said location of playing of said
16 playback audio frames.

1 8. The method of Claim 7 further comprising said second computer system including a data
2 server computer system and a client computer system.

1 9. The method of Claim 7 further comprising said first computer system including an initiating
2 computer system and a data server computer system.

1 10. The method of Claim 7 further comprising:
2 playing said digital audio frames via a digital window on said second computer system; and
3 playing said playback audio frames via a preview window on said second computer system.

1 11. The method of Claim 10 further comprising:
2 associating audio attributes with said playback audio frames; and

representing said associated audio attributes on said preview window.

12. A computer implemented method for facilitating trick mode playback for a user, comprising:

accessing a plurality of encoded digital video frames and a plurality of encoded digital audio frames on a first computer system;

identifying a subset of said encoded digital video frames for compressed video encoding;

identifying a subset of said encoded digital audio frames for compressed audio encoding;

for all said identified encoded digital video frames, encoding an associated playback video frame;

for all said identified encoded digital audio frames, encoding an associated playback audio frame;

downloading said encoded playback video frames and said encoded playback audio frames on a second computer system;

multiplexing said encoded digital video frames and said encoded digital audio frames on said first computer system;

streaming said multiplexed digital frames to said second computer system;

de-multiplexing said multiplexed digital frames;

decoding said encoded digital video frames, said encoded digital audio frames, said encoded playback video frames, and said encoded playback audio frames; and

if said user directs:

synchronizing said digital video frames and said digital audio frames and playing said

synchronized digital video frames and digital audio frames; or

21 synchronizing said playback video frames and said playback audio frames and playing
22 said synchronized playback video frames and playback audio frames;
23 enabling said user to switch between playing said synchronized digital video frames and
24 digital audio frames and said synchronized playback video frames and playback audio
25 frames;
26 enabling said user to change location of playing said synchronized playback video frames and
27 playback audio frames; and
28 when switching to playing said synchronized digital video frames and digital audio frames,
29 matching playing of said synchronized digital video frames and digital audio frames
30 with said location of playing of said synchronized playback video frames and
31 playback audio frames.

1 13. The method of Claim 12 further comprising said second computer system including a data
2 server computer system and a client computer system.

1 14. The method of Claim 12 further comprising said first computer system including an
2 initiating computer system and a data server computer system.

1 15. The method of Claim 12 further comprising:
2 playing said synchronized digital video frames and digital audio frames via a digital window
3 on said second computer system; and

4 playing said synchronized playback video frames and playback audio frames via a preview
5 window on said second computer system.

1 16. The method of Claim 12 further comprising:

2 playing said synchronized digital video frames and digital audio frames via a digital window
3 on said second computer system; and

4 playing said synchronized playback video frames and playback audio frames via overlaying a
5 preview window on said digital window.

1 17. A computer implemented method for facilitating trick mode playback on a computer system
2 for a user, comprising:

3 accessing a plurality of encoded digital video frames;

4 identifying a subset of said encoded digital video frames for compressed video encoding;

5 for all said identified encoded digital video frames, encoding an associated playback video
6 frame;

7 downloading said encoded playback video frames on said computer system;

8 decoding said digital video frames and said playback video frames on said computer system;

9 if said user directs, incrementally playing said digital video frames or said playback video
10 frames;

11 enabling said user to switch between playing said digital video frames and said playback
12 video frames;

13 enabling said user to change location of playing said playback video frames; and

14 when switching from playing said playback video frames to playing said digital video frames,
15 matching playing of said digital video frames with said location of playing said
16 playback video frames.

1 18. A computer implemented method for facilitating fast audio playback on a computer system
2 for a user, comprising:
3 accessing a plurality of encoded digital audio frames;
4 identifying a subset of said encoded digital audio frames for compressed audio encoding;
5 for all said identified encoded digital audio frames, encoding an associated playback audio
6 frame;
7 downloading said encoded playback audio frames on said computer system;
8 decoding said digital audio frames and said playback audio frames on said computer system;
9 if said user directs, incrementally playing said digital audio frames or said playback audio
10 frames;
11 enabling said user to switch between playing said digital audio frames and said playback
12 audio frames;
13 enabling said user to change location of playing said playback audio frames; and
14 when switching from playing said playback audio frames to playing said digital audio frames,
15 matching playing of said digital audio frames with said location of playing of said
16 playback audio frames.

1 19. An article of manufacture comprising a program storage medium readable by a computer and
2 embodying one or more instructions executable by said computer for causing a computer system
3 to facilitate trick mode playback for a user, comprising:

4 accessing a plurality of encoded digital video frames on a first computer system;

5 identifying a subset of said encoded digital video frames for compressed video encoding;

6 for all said identified encoded digital video frames, encoding an associated playback video
7 frame;

8 downloading said encoded playback video frames on a second computer system;

9 streaming said encoded digital video frames to said second computer system;

10 decoding said digital video frames and said playback video frames;

11 if said user directs, incrementally playing said digital video frames or said playback video
12 frames;

13 enabling said user to switch between playing said digital video frames and said playback
14 video frames;

15 enabling said user to change location of playing said playback video frames; and

16 when switching from playing said playback video frames to playing said digital video frames,

17 matching playing of said digital video frames with said location of playing said

18 playback video frames.

1 20. The article of manufacture of Claim 19 further comprising said second computer system
2 including a data server computer system and a client computer system.

21. The article of manufacture of Claim 19 further comprising said first computer system including an initiating computer system and a data server computer system.

22. An article of manufacture comprising a program storage medium readable by a computer and embodying one or more instructions executable by said computer for causing a computer system to facilitate fast audio playback for a user, comprising:

accessing a plurality of encoded digital audio frames on a first computer system;
identifying a subset of said encoded digital audio frames for compressed audio encoding;
for all said identified encoded digital audio frames, encoding an associated playback audio frame;

downloading said encoded playback audio frames on a second computer system;
streaming said encoded digital audio frames to said second computer system;

decoding said digital audio frames and said playback audio frames;
if said user directs, incrementally playing said digital audio frames or said playback audio frames;

enabling said user to switch between playing said digital audio frames and said playback audio frames;

enabling said user to change location of playing said playback audio frames; and
when switching from playing said playback audio frames to playing said digital audio frames,
matching playing of said digital audio frames with said location of playing of said playback audio frames.

23. (Amended) The [method] article of manufacture of Claim 22 further comprising said second computer system including a data server computer system and a client computer system.

24. (Amended) The [method] article of manufacture of Claim 22 further comprising said first computer system including an initiating computer system and a data server computer system.

25. A computer system for facilitating trick mode playback for a user, comprising:

- a plurality of encoded digital video frames on a first said computer system;
- a subset of said encoded digital video frames that are identified for compressed video encoding;
- for all said identified encoded digital video frames, an associated encoded playback video frame;
- said encoded playback video frames that are downloaded on a second said computer system;
- said encoded digital video frames that are streamed to said second computer system;
- said digital video frames that are decoded from said encoded digital video frames;
- said playback video frames that are decoded from said encoded playback video frames;

while said user directs:

- said digital video frames being incrementally played on said second computer system;
- or
- said playback video frames being incrementally played on said second computer system;
- a location of playing said playback video frames being changed by said user; and

17 said location of playing facilitating synchronized playing of said digital video frames when
18 said user directs playing said digital video frames after playing said playback video
19 frames.

1 26. The computer system of Claim 25 further comprising said second computer system including
2 a data server computer system and a client computer system.

1 27. The computer system of Claim 25 further comprising said first computer system including an
2 initiating computer system and a data server computer system.

1 28. A computer system for facilitating fast audio playback for a user, comprising:
2 a plurality of encoded digital audio frames on a first said computer system;
3 a subset of said encoded digital audio frames that are identified for compressed audio
4 encoding;
5 for all said identified encoded digital audio frames, an associated encoded playback audio
6 frame;
7 said encoded playback audio frames that are downloaded on a second said computer system;
8 said encoded digital audio frames that are streamed to said second computer system;
9 said digital audio frames that are decoded from said encoded digital audio frames;
10 said playback audio frames that are decoded from said encoded playback audio frames;
11 while said user directs:

12 said digital audio frames being incrementally played on said second computer system;
13 or
14 said playback audio frames being incrementally played on said second computer
15 system;
16 a location of playing said playback audio frames being changed by said user; and
17 said location of playing facilitating synchronized playing of said digital audio frames when
18 said user directs playing said digital audio frames after playing said playback audio
19 frames.

1 29. The computer system of Claim 28 further comprising said second computer system including
2 a data server computer system and a client computer system.

1 30. The computer system of Claim 28 further comprising said first computer system including an
2 initiating computer system and a data server computer system.